

#3

FIG. 1

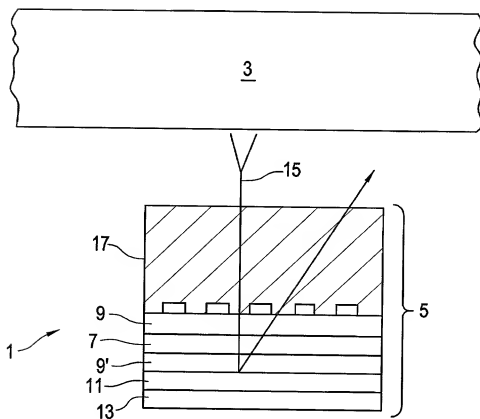
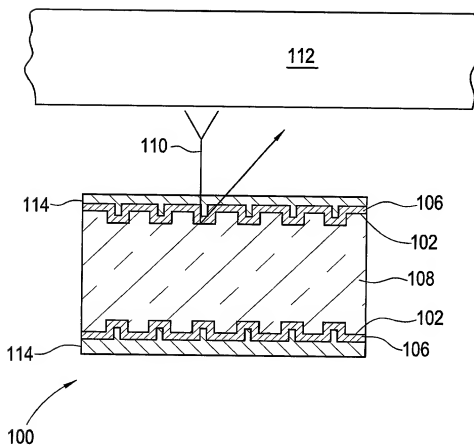


FIG. 2



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FIG. 3

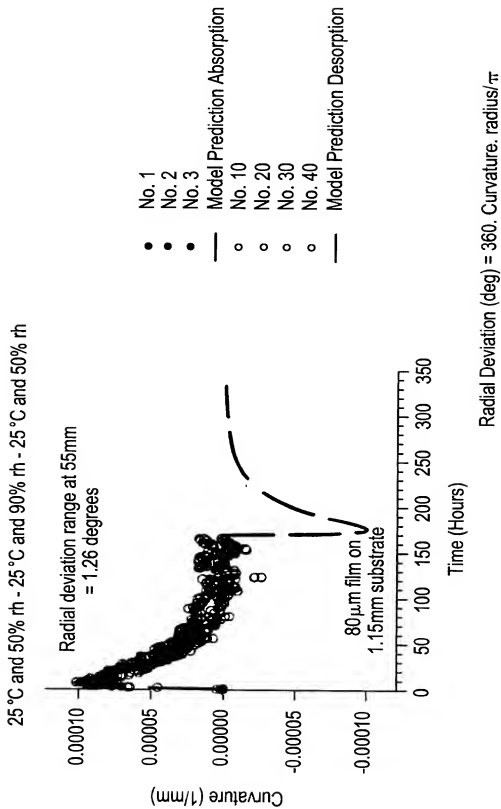


FIG. 4

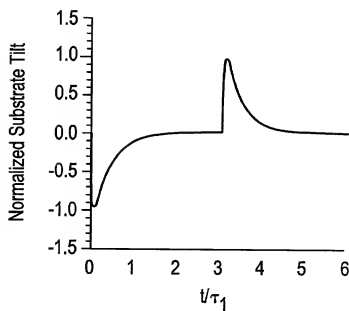
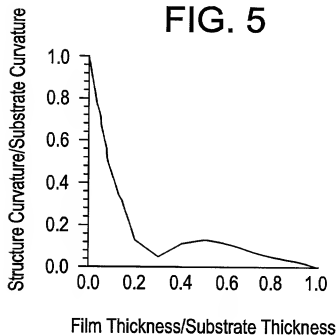


FIG. 5



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Stiffness Ratio

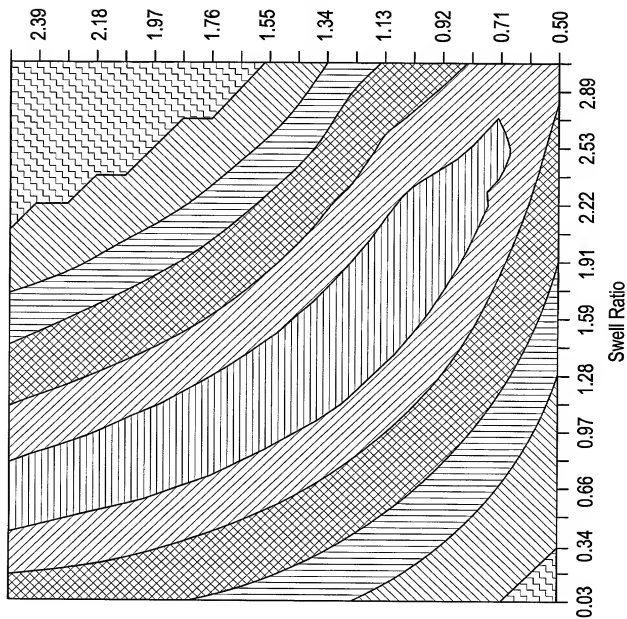


FIG. 6

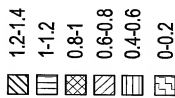


FIG. 7

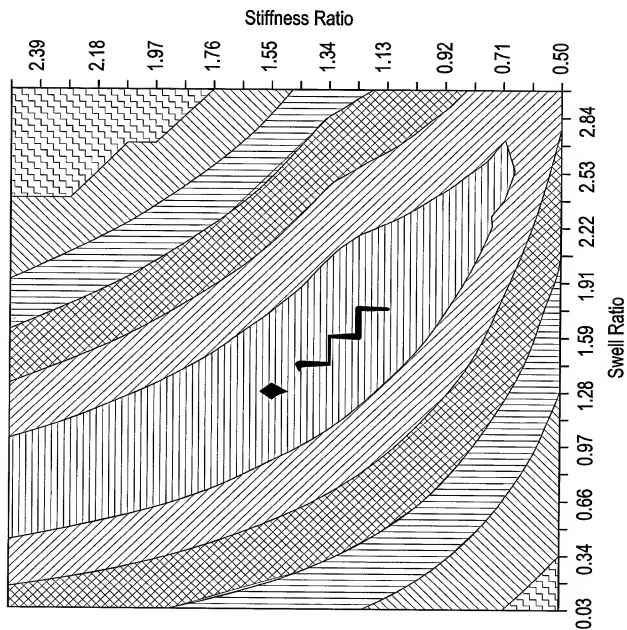


FIG. 8

Mismatched System - identical substrate

25 °C and 50% rh - 25 °C and 90% rh - 25 °C and 50% rh

Film Ratios	
Thickness	0.070
Stiffness	1.3985496
Swell	1.9999845
Diffusivity	0.930049

60% reduction in
radial deviation range

